IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.: Date Filed: Title:		Shahid Rauf et al.	Group Art Unit: Examiner:				
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		INFORMATION DISC	CLOSURE STATEMENT (IDS)				
	ssioner Fo Iria, VA	or Patents 22313					
SIR:							
and Tra copy of filed aft	hed Forn demark (each cite ter June (PTO/SB/08 and/or subsequently id Office. Pursuant to the Office waiving U.S. patent and each U.S. patent	compliance with 37 C.F.R. §§1.97 and 1.9 lentified herein, are for consideration by the ng the requirement under 37 CFR 1.98 (a) application publication for all U.S. nation pplications that have entered the national not submitted herewith.	ne United States Patent (2)(i) for submitting a nal patent applications			
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	b. <u> </u>	enclosed herewith were previousl	or information which are listed on PTO/ y cited by or submitted to the PTO in upon for an earlier filing date under 35 U.	one of the following			
		U.S. Serial Number	U.S. Filing Da	ate_			
II.	CONCISE EXPLANATION OF THE RELEVANCE (check at lea a. Except as may be indicated below in (b) of this section information are in the English language (concise explanation of the relevance of all patents, put is not in the English language is as follows: c. The following additional information is provided for the English language.		v in (b) of this section, all of the patents, uage (concise explanation not required). ance of all patents, publications or other	information listed that			
ш. 🗆	CROSS REFERENCE TO RELATED APPLICATION(S) The Examiner is advised that the following co-pending application(s) contain(s) subject matter that m related to the present application. By bringing this (these) applications to the Examiner's atte Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §122.						
	Serial N	o. Filing D	<u>Art Unit</u>				
			<u>FEES</u>				
IV. 🛚	THIS II a.⊠ b.□ c.□ d.□	application under § 1.53(d) (37 C.F. within three months of the date international application (37 C.F.R before the mailing date of a first 0 statement is required. before the mailing date of a first 0 statement is required.	F.R. §1.97(b): (check one box) ate of a national application other than a conference of entry of the national stage as set for a set of entry of the national stage as set for a set of entry of the national stage as set for set of entry of the national stage as set for entry of the national	equired. orth in § 1.491 in an aired. .97(b)(3)). No fee or request for continued			

V. 🗌	before t	he mailii 7 C.F.R.)). No state	§1.311, or an action that otherwise	ection under 37 C.F.R. §1.113, a Notice of Allowance closes prosecution in the application (See 37 C.F.R. punt 502117 the fee set forth in 37 C.F.R. §1.17(p).
VI.		fore payi	ING FILED UNDER 37 C.F.R. §1.9 ment of the issue fee and is accompanent under 37 C.F.R. §1.97(e) as prodeposit account 502117 the petition	nied by the following: vided below; and
VII.	The und a. b.	lersigned each ite Office i no item Office i after ma individu stateme	n a counterpart foreign application n of information contained in the ID n a counterpart foreign application, aking reasonable inquiry, no item o hal designated in 37 C.F.R. 1.56(c nt, or	OS was cited in a communication from a foreign Patent of more than three months prior to the filing of IDS; or S was cited in a communication from a foreign Patent and to knowledge of the person signing the statement f information contained in the IDS was known to any) more than three months prior to the filing of this
	с.	foreign contained foreign informathe IDS applicatinquiry,	Patent Office. As to this information and in the IDS was cited in a communication not more than three more tion, the undersigned hereby states to was cited in a communication from or, to the knowledge of the property of th	d in the IDS were cited in a communication from a n, the undersigned states that each item of information inication from a foreign Patent Office in a counterpart of this prior to the filing of this IDS. As to the remaining that no item of this remaining information contained in om a foreign Patent Office in a counterpart foreign erson signing the statement after making reasonable the IDS was known to any individual designated in 37 to the filing of this statement.
VIII.	PAYMI	Please of If Appli Commis	t in the amount of is enclocations in the amount of is enclosed the count 502117 in the count	e amount of \$180.00 for the above-indicated fee(s). ees, or if any overpayment has been made, the or debit Deposit Account 502117.
	e statuto	ory prior		terests of candor and without any admission that they pates the invention or which would render the same ary skill in the art.
	nined tha	t this ID	S has been filed under the wrong ru	PS, he/she is requested to contact the undersigned. If it e, the PTO is requested to consider this IDS under the priate fee to Deposit Account No. 502117. Respectfully submitted, Shahid Rauf et al. Robert L. King
	ROLA, II er Numbe	NC. er 23125		Robert L. King Attorney for Applicant(s) Reg. No. 30,185 Tel. (512) 996-6839
Enclosu	res:		PTO/SB/08 References Foreign Search Report Other:	101. (312) //0-003/

				Complete if Known			
				Application Number			
IN	FORMATION DISC	LOSUI	RE	Filing Date			
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(use as many she	ets as necessary)			Examiner Name			
Sheet	1	of		Attomey Docket Number	SC13121TP		

	U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number Number -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	AA	4,957,834	09/18/1990	Matsuda et al.			
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	FOREIGN PATENT DOCUMENTS								
Examine r Initials*	Cite No. 1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	16			
	AD	EP 0 668 539 A2	08/23/1995	Dove et al.					
						<u> </u>			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AE	Constantine et al., "ICP Quartz Etch Uniformity Improvement for Phase Shift Mask Fabrication," Part of the SPIE Conference on Photomask and X-Ray Mask Technology V, Kawasaki, Japan, SPIE, Vol. 3412, April 1998, pp. 220-	
	AF	Dahm et al., "Quartz Etching for Phase Shifting Masks," Microelectronic Engineering, 1995, Vol. 27, pp. 263-266.	
	AG	Wu et al., "CF ₄ /O ₂ Plasma Simulation and Comparison with Quartz Etch Experiment," Photomask and Next-Generation Lithography Mask Technology VIII, Hiroichi Kawahira, Editor, Proceedings of SPIE, 2001, Vol. 4409, pp. 409-417.	
	AH	Zeze et al., "Reactive Ion Etching of Quartz and Pyrex for Microelectronic Applications," Journal of Applied Physics, October 2002, Vol. 92, No. 7, pp. 3624-3629.	
	1		

Examiner	Date	
Signature	Considered	

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